Amendments to the Claims:

1-29. (Cancelled)

30. (New) A data transmission method for transmitting data in units of packets, said method comprising:

a first step of performing transmission of the packets each having a sequence number;

a second step of receiving a retransmission request for a retransmission packet corresponding to any of the packets in which a transmission error has occurred; and

a third step of performing transmission of the retransmission packet having a first sequence number indicating a reproduction order and a second sequence number indicating a transmission order of the retransmission packet, on the basis of the retransmission request.

31. (New) The data transmission method of Claim 30, wherein the retransmission packet is a high priority packet.

32. (New) The data transmission method of Claim 30, wherein the second sequence number assigned to the retransmission packet is included in an RTP header.

33. (New) The data transmission method of Claim 30, wherein the second sequence number of a next retransmission packet which is to be transmitted next to the retransmission packet is incremented by one from the second sequence number of the retransmission packet.

34. (New) The data transmission method of Claim 30, wherein the third step is performed only when the retransmission packet is a high priority packet.

35. (New) The data transmission method of Claim 30, wherein the second step is performed in a case where a time at which a data receiving apparatus receives the retransmission packet is prior to an arrival time limit of the retransmission packet.

36. (New) A data transmission method for receiving data in units of packets, said method including

when a transmission error occurs in any of the packets each having a sequence number,

a first step of transmitting a retransmission request for a retransmission packet corresponding to the packet in which the transmission error has occurred; and

a second step of receiving the retransmission packet having a first sequence number indicating a reproduction order and a second sequence number indicating a transmission order of the retransmission packet, which has been transmitted from a data transmission apparatus on the basis of the retransmission request.

37. (New) The data transmission method of Claim 36, wherein the retransmission packet is a high priority packet.

38. (New) The data transmission method of Claim 36, wherein the second sequence number assigned to the retransmission packet is included in an RTP header.

39. (New) The data transmission method of Claim 36, wherein the second sequence number of a next retransmission packet which is to be transmitted next to the retransmission packet from the data transmission apparatus is incremented by one from the second sequence number of the retransmission packet.

40. (New) The data transmission method of Claim 36, wherein the second step is performed only when the retransmission packet is a high priority packet.

41. (New) The data transmission method of Claim 36, wherein the first step is performed in a case where at a time at which a data receiving apparatus receives the retransmission packet is prior to an arrival time limit of the retransmission packet.

42. (New) A data transmission apparatus for transmitting data in units of packets, said apparatus comprising:

a transmission unit for performing transmission of the packets each having a sequence number; and

a retransmission instruction receiving unit for receiving a retransmission request for a retransmission packet corresponding to any of the packets in which a transmission error has occurred;

wherein the transmission unit performs transmission of the retransmission packet having a first sequence number indicating a reproduction order and a second sequence number indicating a transmission order of the retransmission packet, on the basis of the retransmission request.

43. (New) The data transmission apparatus of Claim 42, wherein the retransmission packet is a high priority packet.

44. (New) The data transmission apparatus of Claim 42, wherein the second sequence number assigned to the retransmission packet is included in an RTP header.

45. (New) The data transmission apparatus of Claim 42, wherein the second sequence number of a next retransmission packet which is to be transmitted next to the retransmission packet is incremented by one from the second sequence number of the retransmission packet.

46. (New) The data transmission apparatus of Claim 42, wherein the transmission unit transmits the retransmission packet only when the retransmission packet is a high priority packet.

47. (New) The data transmission apparatus of Claim 42, wherein the retransmission instruction receiving unit receives the retransmission request in a case where a time at which a data receiving apparatus receives the retransmission packet is prior to an arrival time limit of the retransmission packet.

48. (New) A data transmission apparatus for receiving data in units of packets, including a retransmission instruction output unit and a receiving unit, wherein

when a transmission error occurs in any of the packets each having a sequence number,

said retransmission request instruction output unit transmits a retransmission request for a retransmission packet corresponding to the packet in which the transmission error has occurred; and

said receiving unit performs reception of the retransmission packet having a first sequence number indicating a reproduction order and a second sequence number indicating a transmission order of the retransmission packet, which has been transmitted from a data transmission apparatus on the basis of the retransmission request.

49. (New) The data receiving apparatus of Claim 48, wherein the retransmission packet is a high priority packet.

50. (New) The data receiving apparatus of Claim 48, wherein the second sequence number assigned to the retransmission packet is included in an RTP header.

51. (New) The data receiving apparatus of Claim 48, wherein the second sequence number of a next retransmission packet which is to be transmitted next to the retransmission packet from the data transmission apparatus is incremented by one from the second sequence number of the retransmission packet.

52. (New) The data receiving apparatus of Claim 48, wherein the receiving unit recieves the retransmission packet only when the retransmission packet is a high priority packet.

53. (New) The data transmission apparatus of Claim 48, wherein the retransmission instruction output unit transmits the retransmission request in a case where a time at which the data receiving apparatus receives the retransmission packet is prior to an arrival time limit of the retransmission packet.